# Azure Cloud Foundation for Neobank

Cloud Foundation consists of various blocks that are pivotal for a Neobank cloud native platform

## Strategy & Architecture

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|---|---|
| Environment Architecture | Logging Strategy |
| Cost Model | Audit Strategy |
| Data Strategy | Disaster Recovery |
| SOP / Workflows | Exit Strategy |

Processes and Standards

## Governance

### Account Organization
- Billing
- Azure Subscriptions
- Management Groups

### Platform Guardrails
- Azure Policy
- Cost Budget Definitions

## Compliance

### Compliance Definition
- Cloud Services Catalog
- Compliance as Configurable Rules

### Compliance Monitoring
- Alerts & Workflows
- Audit Trail Logs

### Compliance Reporting
- Compliance Dashboard

## Application Platform

### Messaging Services
- Azure HDInsight (Kafka)

### API Management Services
- API Management

### Container Services
- AKS
- ACR

### Caching services
- Azure CDN
- Azure Cache

### Application Hosting Services
- Application Service Environment
- Application Service Plan

### Data Services
- Azure HDInsight
- Azure Cosmos DB
- Azure Data Factory
- Azure Synapse

## Operations

### Monitoring, Logging and Alerting
- Azure Monitor Alerts
- Azure Application Insight
- Log Analytics

### Security Operations
- Microsoft Defender for Cloud
- Azure ATP

### Reporting & Dashboarding
- Azure Dashboards

### Neobank Integration
- Azure Sentinel

### Runbook Automation
- Azure Automation

## Core Infrastructure

### Compute Services
- Virtual Machines

### Storage Services
- Azure Storage

## Security

### Identity & Access Management Services
- Azure AD
- RBAC
- MFA
- PIM
- Azure AD B2C

### Vulnerability Scanning Services
- Application Gateway
- WAF

### Intrusion Detection and Prevention Services
- Next Gen Firewall
- Network Watcher
- DDoS Protection

### Key Management
- Azure Key Vault

## Networking

### Base Networking
- VNET
- Subnets
- VNET Peering

### Connectivity Services
- VPN Gateway
- Express Route
- Azure Bastion

### Firewall Services
- Azure Firewall
- Route Tables

### Traffic Routing and Management Services
- DNS
- Traffic Manager

## DevOps

### Repository Management
- Azure Repos
- Azure Artifacts

### Dashboarding and Reporting
- Azure DevOps Dashboards

### Devops Tooling for Fitness
- SonarQube
- Chaos Monkey
- ZAP

### CI / CD
- Azure DevOps Pipelines
- VM Image Bakery